

TOP TEN MOST FREQUENTLY SEEN ERRORS

1. R/W dedication

Solution: Click on link below to functional classification map and chart for dedication based on functional classification.

Functional Classification Map

http://www.deldot.gov/information/pubs_forms/func_maps/pdf/functional_classification.pdf

Subdivision Manual

http://www.deldot.gov/information/pubs_forms/manuals/subdivisions/pdf/subdivision_manual_bookmarked_100209.pdf#top_ten_11

2. Outdated details

Solution: Click on link below to Design Resource Center and latest details page.

http://www.deldot.gov/information/pubs_forms/const_details/2008/index.shtml

3. Turn lane striping

Solution: Click on links below to Subdivision Manual.

http://www.deldot.gov/information/pubs_forms/manuals/subdivisions/pdf/subdivision_manual_bookmarked_100209.pdf#top_ten_12

http://www.deldot.gov/information/pubs_forms/manuals/subdivisions/pdf/subdivision_manual_bookmarked_100209.pdf#top_ten_13

4. Stone under or behind curb

Clarification: 6" minimum of GABC, Type B under curb and extends 6" behind back of curb. Currently working with Standards committee to add as a standard. Standard note placed on plans - under the curb detail, it will need to be shown or noted that the curb is to be placed over 6-inches of GABC – Type B over proof rolled and compacted subgrade, 95 % ASTM D1557. The GABC – Type B will need to extend 6-inches from the back of curb.

5. Pavement thickness

There are minimum and maximum lift thickness for each type of hot-mix, see Fig. 5-25.

Type C – 1 ¼" – 2"

Type B – 2 ¼" - 3"

Solution: Click on link below to Subdivision Manual.

http://www.deldot.gov/information/pubs_forms/manuals/subdivisions/pdf/subdivision_manual_bookmarked_100209.pdf#top_ten_14

6. ADT calculation

When calculating the ADT for a land use it is the total number of trips for the site. ½ of the ADT enters, ½ exits.

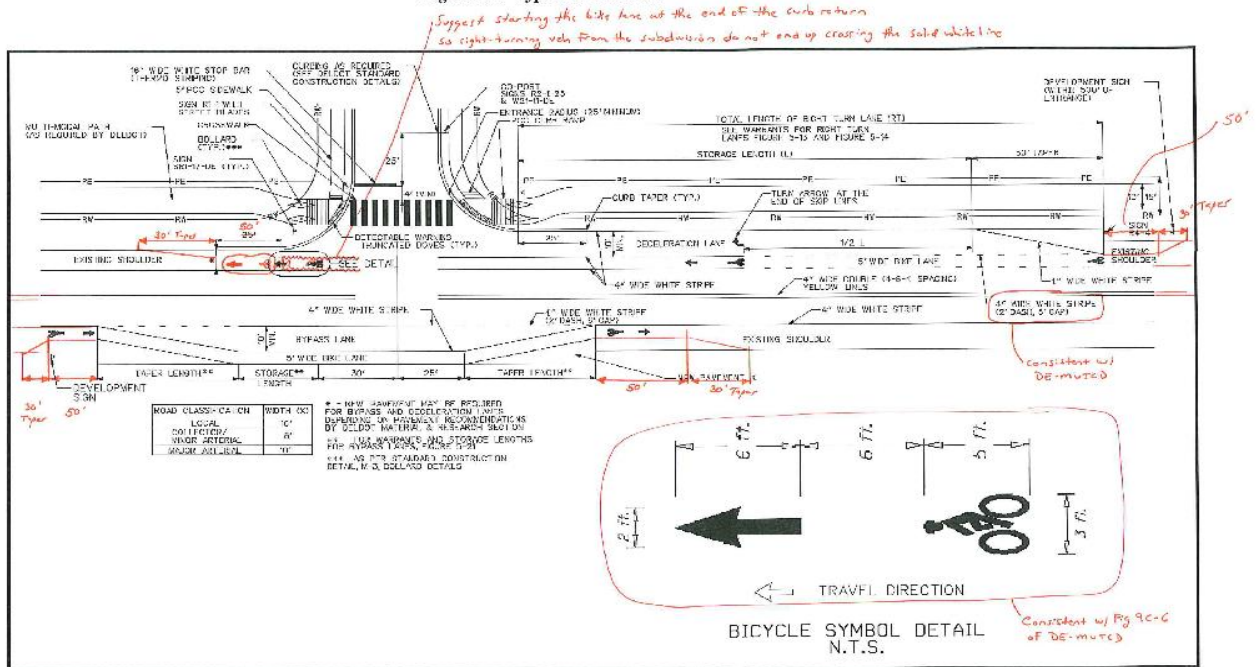
7. Bike Lane Requirements

On April 24, 2009, Governor Jack A. Markell signed into effect Executive Order No. 6. This Executive Order directed the development and adoption of a Statewide Complete Streets Policy.

Solution: Click link below to view Bike route map.

http://www.deldot.gov/information/community_programs_and_services/bike/biking_in_delaware/maps.shtml

Figure 5-9 Typical Entrance 1



5-13 Design Elements

8. Traffic Generation Diagram

Solution: Provide a sample TGD showing turning volumes in ADT not peak hours, volume of the frontage road, and posted speed limit.

9. Shared Use Path striping and placement

Solution: Click on link below to Subdivision Manual.

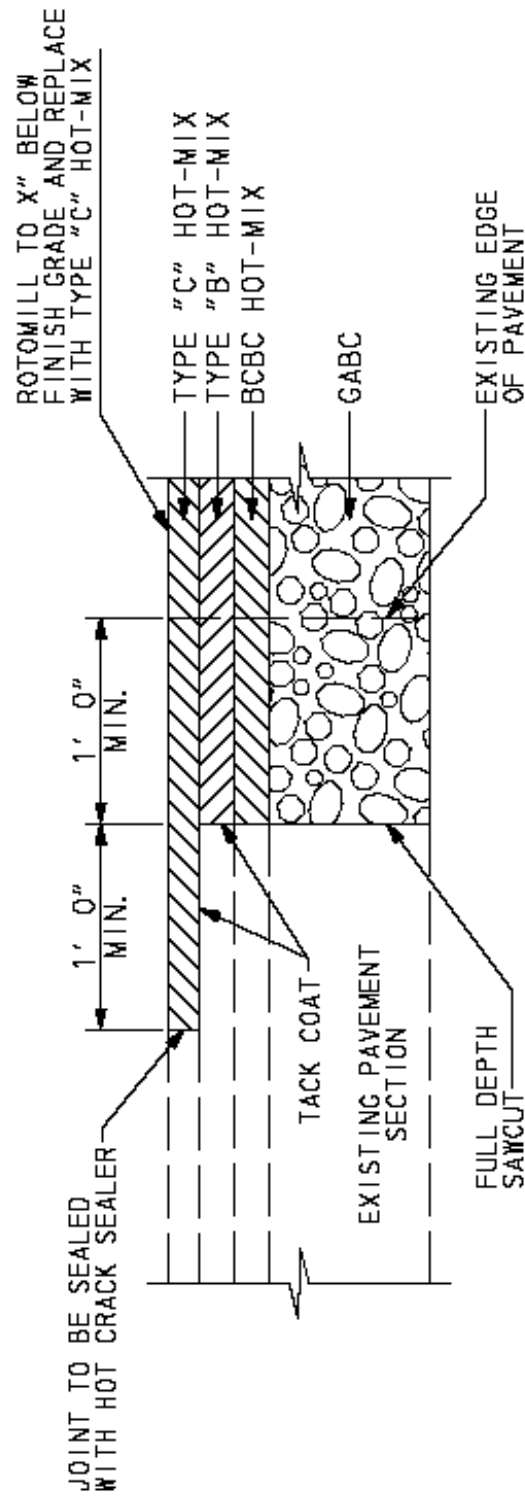
http://www.deldot.gov/information/pubs_forms/manuals/subdivisions/pdf/subdivision_manual_bookmarked_100209.pdf#top_ten_15.

Standard Construction details – page 9 see detail M-3 for layout.

http://www.deldot.gov/information/pubs_forms/const_details/2008/pdf/2008_standard_details_106-150.pdf?012909

10. Butt joint vs. pavement tie-in detail

Solution: Example of each provided below.

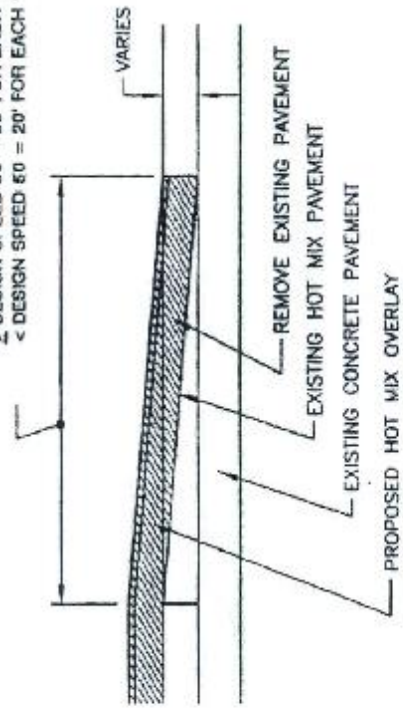


X= DEPTH OF TYPE "C" HOT-MIX

TYPICAL PAVEMENT TIE-IN DETAIL

NOT TO SCALE

2' DESIGN SPEED 50 = 30' FOR EACH 1" OF OVERLAY
 < DESIGN SPEED 50 = 20' FOR EACH 1" OF OVERLAY



BUTT JOINT DETAIL